

Title (en)

Low aluminum steel sheet for cans

Title (de)

Stahlband mit geringem Aluminiumgehalt für Behälter

Title (fr)

Toile d'acier à basse teneur en aluminium pour emballage

Publication

EP 1065286 B1 20020821 (FR)

Application

EP 00401869 A 20000630

Priority

FR 9908419 A 19990701

Abstract (en)

[origin: EP1065286A1] Annealing of the steel strip comprises heating to a temperature above that of the onset of perlitic transformation Ac1, holding the temperature above this temperature for more than 10 s, rapid cooling to below 100 degrees C, at a rate exceeding 100 degrees C/s, low temperature treatment at 100 degrees C-300 degrees C for more than 10 s, and cooling to ambient temperature. Production of a low aluminum steel strip for manufacture of containers comprises: (a) providing a hot-rolled steel strip containing in (wt.%): 0.050-0.080 C; 0.25-0.40 Mn, 0.020 Al, 0.010-0.014 N, and the remainder iron and inevitable impurities; (b) primary cold rolling the strip; (c) annealing the cold rolled strip; and (d) secondary cold rolling. An Independent claim is included for steel strip of the above-specified composition which satisfies an equation relating ultimate elongation and ultimate tensile strength.

IPC 1-7

C21D 8/04; **C21D 9/48**

IPC 8 full level

C21D 8/04 (2006.01); **C21D 9/48** (2006.01)

CPC (source: EP US)

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Cited by

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